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DERWENT-ACC-NO: 1976-J7900X

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File: DWPI

Mar 3, 1976

TITLE: Vibration parameters contactless measurement equipment - for simultaneous measurement of vibration, displacement and heeling

PATENT-ASSIGNEE:

ASSIGNEE

MOSCOW BAUMAN TECH COLL

CODE

MOSB

PRIORITY-DATA: 1973SU-1941763 (June 27, 1973)

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☐ SU 494623 A

March 3, 1976

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INT-CL (IPC): G01H 11/00

ABSTRACTED-PUB-NO: SU 494623A

BASIC-ABSTRACT:

The equipment contains an eddy current sensor (8) with a measurement winding (11) and exciting windings (9), (10), electrically linked with two radio frequency generators two filters and measuring units. For simultaneous measurement of vibration, displacement and heeling of the object under control, a two-coordinate angle meter is provided, connected through the two filters to the output of the measurement winding (11) of the sensor, and the displacement of measuring units are each connected to the output of one of the exciting windings (9), (10). In this case the measurement winding (11) is located symmetrically and orthogonal relative to the exciting windings (9), (10) which are arranged in the shape of a figure eight and have mutually perpendicular symmetrical axes.

TITLE-TERMS: VIBRATION PARAMETER CONTACT MEASURE EQUIPMENT SIMULTANEOUS MEASURE  
VIBRATION DISPLACEMENT HEEL

DERWENT-CLASS: S02

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